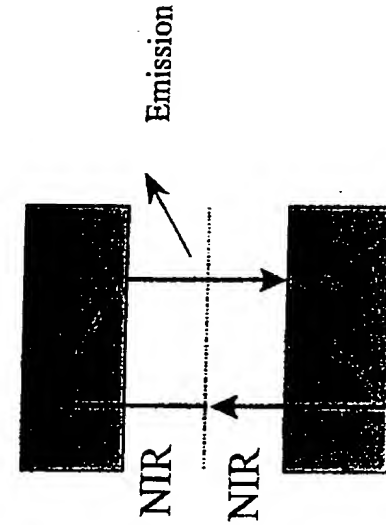


Replacement Sheet

RECEIVED

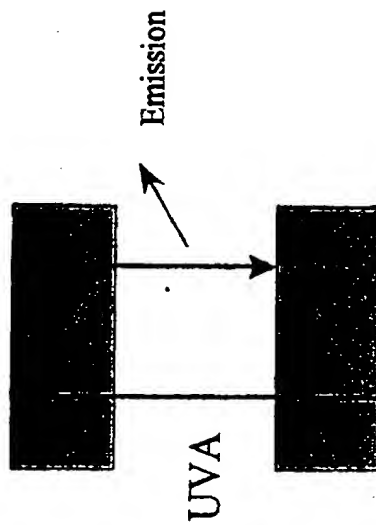
JUN 16 2004

TECH CENTER 2800



b.)

b) Multiphoton absorption



a.)

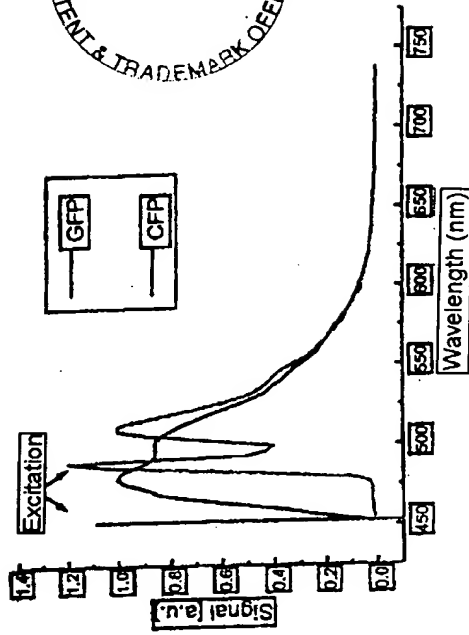
a) Single-photon absorption

Figure 1: PRIOR ART

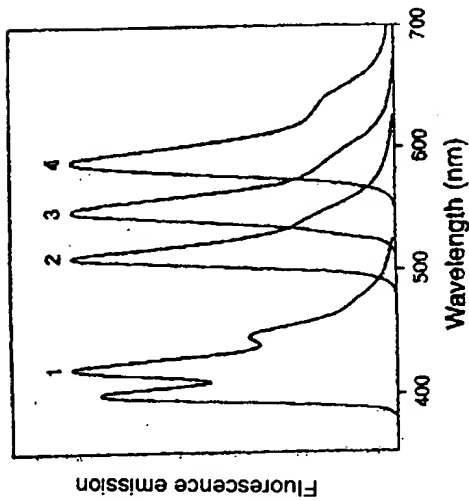
Replacement Sheet



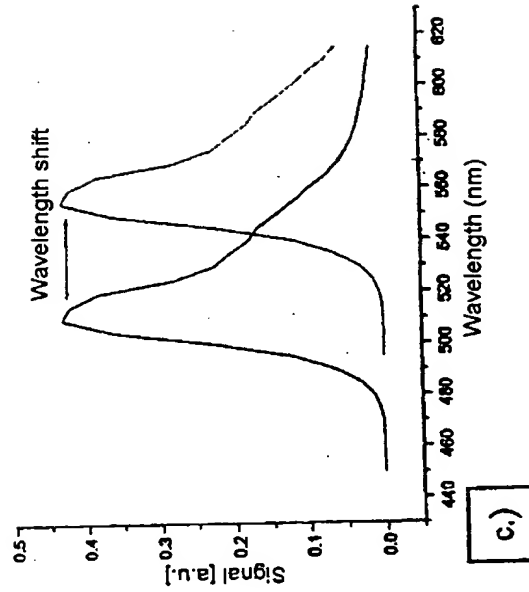
RECEIVED
JUN 16 2004
TECH CENTER 2800



b.)



a.)

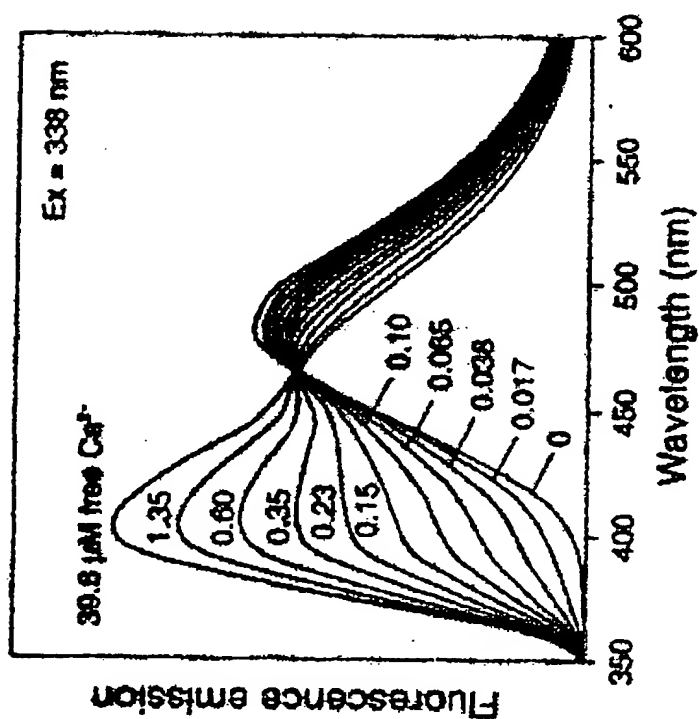


c.)

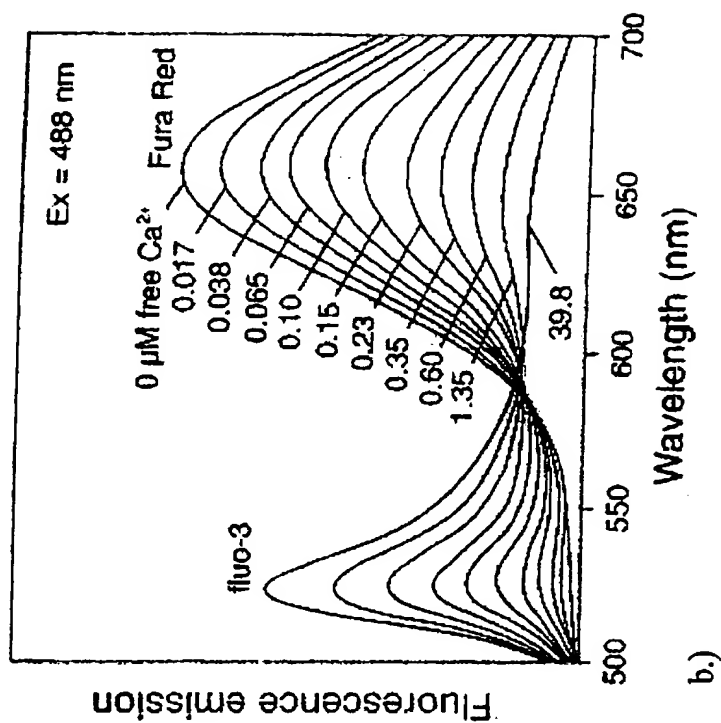
Typical spectra a) Dyes, b) fluorescent proteins
c) wavelength shift as a function of environment, d) FRET

Figure: 3 PRIOR ART

Replacement Sheet



a.)



b.)

Figure: 4 PRIOR ART

Typical spectra with ratiometric measurements

a) a dye with emission ratio; b) two dyes with ion-independent signals